

## Part E

# Codes

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### E19.0 Telecommunications Code

#### E19.1 Purpose

E19.1.1 The purpose of this provision is to:

- (a) facilitate equitable provision and access to high-speed broadband and telecommunication networks as services essential for the prosperity, security and welfare of the community;
- (b) encourage new telecommunication and digital facilities to form part of a local or regional telecommunications network for all carriers;
- (c) encourage shared use and co-location of facilities to minimise the number of towers within the municipal area;
- (d) minimise likely adverse impact of communication systems on community health and safety;
- (e) minimise adverse visual impact of towers and antennae.

#### E19.2 Application

E19.2.1 This code applies to development for telecommunication facilities.

This code does not apply to use.

#### E19.3 Definition of Terms

E19.3.1 In this code, unless the contrary intention appears;

areas of environmental significance	means as defined in the Telecommunications (Low-impact Facilities) Determination 1997.
line	means a wire, cable, optical fibre, tube, conduit, waveguide or other physical medium used, or for use, as a continuous artificial guide for, or in connection with, carrying communications by means of guided electromagnetic energy.
telecommunications infrastructure	means any part of the infrastructure of a telecommunications network and includes any line, equipment, apparatus, tower, antenna, tunnel, duct, hole, pit or other structure used, or for use, in or in connection with a telecommunications network.

telecommunications network	means a system, or series of systems, that carries or is capable of carrying communications by means of guided and/or unguided electromagnetic energy.
tower	means a tower, pole, mast or similar structure used to supply a carriage service by means of Telecommunication

#### E19.4 Development Exempt from this Code

E19.4.1 No development is exempt from this code.

#### E19.5 Application Requirements

E19.5.1 There are no specific additional application requirements for this code.

#### E19.6 Use Standards

E19.6.1 No use standards in this code.

#### E19.7 Development Standards

E19.7.1 Shared Use and Co-Location

Objective:	
To minimise the total number of towers and antenna within the municipal area.	
Acceptable Solutions	Performance Criteria
<p><b>A1</b></p> <p>A new antenna must be located on an existing tower.</p>	<p><b>P1</b></p> <p>A new antenna may be located on a new tower if it is impracticable to co-locate on an existing tower, having regard to the following:</p> <ul style="list-style-type: none"> <li>(a) no existing tower is located within the telecommunications network area with technical capacity to meet the requirements for the antenna;</li> <li>(b) no existing tower is located within the telecommunications network area with sufficient height to meet the requirements of the antenna;</li> <li>(c) no existing tower is located within the telecommunications network area with sufficient structural strength to support the proposed antenna and related equipment;</li> </ul>

	<p>(d) there is risk of electromagnetic interference between the antenna and an existing antenna on an existing tower;</p> <p>(e) there are other limiting factors that render existing towers unsuitable.</p>
<p><b>A2</b></p> <p>A new tower or mast must be structurally and technically designed to accommodate comparable additional users, including by the rearrangement of existing antenna and the mounting of antenna at different heights.</p>	<p><b>P2</b></p> <p>No performance criteria.</p>

#### E19.7.2 Visual Amenity

Objective:	
To minimise detrimental impact upon the visual amenity of a locality by reducing prominence of telecommunications infrastructure.	
Acceptable Solutions	Performance Criteria
<p><b>A1</b></p> <p>The location of telecommunications infrastructure must comply with all of the following:</p> <p>(a) be within existing utility corridors and sites and use existing infrastructure;</p> <p>(b) be externally finished and maintained in a neutral colour that minimises visual intrusiveness;</p> <p>(c) not:</p> <p>(i) be located on skylines that can be seen in silhouette;</p> <p>(ii) be aligned diagonally to the principal slope of a hill;</p> <p>(iii) cross at a low point of a saddle between hills;</p> <p>(iv) be located around the base of a hill;</p>	<p><b>P1</b></p> <p>The location of telecommunications infrastructure not complying with A1 must ensure any detrimental impact upon visual amenity is minimised by reducing the prominence of telecommunications infrastructure, and important public views such as vistas to significant public buildings, streetscapes and heritage areas are protected.</p>

<ul style="list-style-type: none"> <li>(v) be along the edge of an existing clearing;</li> <li>(vi) be artificially lit unless required for air navigation safety;</li> <li>(vii) be used for signage purposes, other than necessary warning and equipment information,</li> </ul> <p>(d) aerial telecommunication lines or additional supporting structures are erected and operated in residential and commercial areas only where overhead cables exist;</p> <p>(e) equipment housing and other visually intrusive infrastructure is screened from public view.</p>	
<p><b>A2</b></p> <p>Height above natural ground level must be no more than:</p> <ul style="list-style-type: none"> <li>(a) 60 metres in the Environmental Management, Rural Resource and Significant Agriculture Zones;</li> <li>(b) 45 metres in the General Industrial or Port and Marine Zone;</li> <li>(c) 40 metres in the Central Business, Commercial, Environmental Living, General Business, Major Tourism, Rural Living and Utilities Zones;</li> <li>(d) 20 metres in the Community Purpose, General Residential, Inner Residential, Light Industrial, Local Business, Low Density Residential, Recreation, Urban Mixed Use and Village Zones.</li> </ul>	<p><b>P2</b></p> <p>Height above natural ground level not complying with A2 must satisfy all of the following:</p> <ul style="list-style-type: none"> <li>(a) the predominant height of existing infrastructure or vegetation in the immediate vicinity is above the specified height limit;</li> <li>(b) there is no adverse impact on heritage or ecological values, or visual amenity of the locality;</li> <li>(c) it is critical for the role of the facility within the telecommunications network.</li> </ul>

### E19.7.3 Environmental Values

Objective:	
To ensure that environmental values are protected	
Acceptable Solutions	Performance Criteria

<b>A1</b> Telecommunications infrastructure must not be located in an area of environmental significance.	<b>P1</b> Telecommunications infrastructure located in an area of environmental significance must ensure environmental and heritage values are not significantly impacted.
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#### E19.7.4 Access

Objective:	
To ensure that telecommunications infrastructure does not impede movement of vehicular and other modes of transport.	
Acceptable Solutions	Performance Criteria
<b>A1</b> Telecommunications infrastructure must not impede movement of vehicular and other modes of transport.	<b>P1</b> Telecommunications infrastructure must provide for adequate clearance for vehicular traffic and must not pose a danger or encumbrance to users of other land or aircraft.

#### E19.7.5 Significant Agricultural Land

Objective:	
To protect the productive capacity and efficient farming operations of significant agricultural land.	
Acceptable Solutions	Performance Criteria
<b>A1</b> Telecommunications infrastructure within the Significant Agriculture Zone must be placed on or within 2 metres of property boundaries or fence lines.	<b>P1</b> Telecommunications infrastructure within the Significant Agriculture Zone must not degrade or restrict the productive capacity of the land.